Issue 367 February 1, 2025

Top links

IP400 Network Project (https://adrcs.org/adrcs/ip400-network-project/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
The long term goal of the project is to implement a network that is capable of carrying digital voice and video, as well as catering to other services such as telemetry, messaging and more. At the home station a simple node based on a Raspberry Pi will get you onto the network, and at repeater sites a more complex controller will not only control analog and C4FM radios, but also include an IP400 transceiver for networking.
ADRCS

New FreeDV RADE heard in the wild (http://blog.marxy.org/2025/01/a-bit-of-freedvs-new-radev1-mode-heard.html?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
You can see quite dramatic selective fading but the speech is perfectly readable.
marxy's musing on technology

Getting started with AREDN (https://stationproject.blog/2025/01/27/aredn-getting-started/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
ARDEN provides high-speed Mesh Networking and related services using Amateur Radio links in the 900 MHz UHF and several microwave bands.
Our Ham Station

Is Amateur Radio in the United States dying? (https://k4fmh.com/2025/01/22/the-u-s-ham-radio-market-is-it-dying/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
The short answer is NO. But it is CHANGING. Here is why and how.
K4FMH

A personal record: Winter Field Day 2025 (https://km1ndy.com/a-personal-record-winter-field-day-2025/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
Winter Field Day in a tiny RV on our land in upstate New York.
KM1NDY

Austria's 500-kilowatt short-wave transmitter to be blown up (https://www.heise.de/en/news/ORF-has-Austria-s-500-kilowatt-short-wave-transmitter-blown-up-10253139.html?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
The system runs on rails so that it can be rotated 180 degrees.
heise online

Are we spoiled for choice? (https://qrper.com/2025/01/are-we-spoiled-for-choice-why-theres-no-better-time-to-be-a-qrp-field-operator/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
Why there’s no better time to be a QRP field operator.
QRPer

How can a lossy wire on the ground work better than a quarter wave vertical antenna? (https://hamradiooutsidethebox.ca/2025/01/30/how-can-a-lossy-wire-on-the-ground-work-better-than-a-quarter-wave-vertical-antenna/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
We can use a trick of geometry to support our claim.
Ham Radio Outside the Box

Video

Inside the Dayton Hamvention (https://www.youtube.com/watch?v=Wy8ZKGKsg78?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
Why it's the heart of Amateur Radio (and the world's largest).
W1DED

How does a radome affect radio signals? (https://www.youtube.com/watch?v=cUfDu8PFS9Q?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
People frequently ask how my geodesic radar dome affects radio reception or radio telescope imaging.
saveitforparts

10 Ghz FM propagation (https://www.youtube.com/watch?v=9QpvvQ1B4fc?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
120 miles across 6000' Mt. Mitchell.
N4OFA